Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/23/2017 10:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123677	-2	1.50	123586	1.44
Blue	F	SSC	125000	123373	-2	3.43	123842	3.15
Blue	E	FITC	23355	22589	-4	2.50	1012	10.48
Blue	D	PE	28848	28272	-2	2.04	1023	9.99
Blue	B	PerCP-Cy5-5	47791	46400	-3	3.43	1334	16.49
Blue	A	PE-Cy7	41358	41213	-1	5.17	633	35.67
Red	C	APC	51316	50496	-2	2.64	2911	9.14
Red	A	APC-Cy7	53225	52385	-2	2.71	1085	11.15
Violet	B	V450	14473	13643	-6	3.66	658	9.13
Violet	A	V500	59973	58308	-3	3.41	2595	6.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19710	3.03	608	10	N/A	N/A	Pass
Blue	F	SSC	61331	1.88	541	7	N/A	N/A	Pass
Blue	E	FITC	113	46.55	543	-1	0.0217	664	Pass
Blue	D	PE	227	30.17	539	1	0.1620	306	Pass
Blue	B	PerCP-Cy5-5	208	46.27	627	-3	0.0110	200	Pass
Blue	A	PE-Cy7	70	120.29	681	0	0.0119	19	Pass
Red	C	APC	343	26.93	590	-4	0.0219	93	Pass
Red	A	APC-Cy7	120	41.74	570	-6	0.0057	2124	Pass
Violet	B	V450	80	43.43	470	-1	0.0422	1897	Pass
Violet	A	V500	188	24.18	502	1	0.0140	725	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.02	-31.33	0.81
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	19.05	13.27 - 19.91	N/A	N/A	31.19	31.84	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9557

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments